RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/756,690_

Source: _01/PE_

Date Processed by STIC: _6/1/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
                http://www.uspto.gov/web/offices/pac/checker

```
            RAW SEQUENCE LISTING                    DATE: 06/01/2001
            PATENT APPLICATION:  US/09/756,690      TIME: 17:46:20

            Input Set : A:\#373162 v2 - AMYLIN 030639.0027.UTL SEQUENCE LISTING
(TXT).txt
            Output Set: C:\CRF3\06012001\I756690.raw     Does Not Comply
                                                     Corrected Diskette Needed
    4 <110> APPLICANT: Kolterman, et al.
    5        Amylin Pharmaceuticals, Inc.
    7 <120> TITLE OF INVENTION: USE OF EXENDINS AND AGONISTS THEREOF FOR
    8        MODULATION OF TRIGLYCERIDE LEVELS AND TREATMENT OF
    9        DYSLIPIDEMIA                                  pp 1-3
   11 <130> FILE REFERENCE: 030639.0027.UTL(249/124)
   13 <140> CURRENT APPLICATION NUMBER: 09/756,690
   14 <141> CURRENT FILING DATE: 2001-01-09
   16 <150> PRIOR APPLICATION NUMBER: 60/175,365
   17 <151> PRIOR FILING DATE: 2000-01-10
   19 <160> NUMBER OF SEQ ID NOS: 190
   21 <170> SOFTWARE: FastSEQ for Windows Version 4.0


ERRORED SEQUENCES

   70 <210> SEQ ID NO: 3
   71 <211> LENGTH: (40) 39 shown (next page)
   72 <212> TYPE: PRT
   73 <213> ORGANISM: Artificial Sequence
   75 <220> FEATURE:
   76 <223> OTHER INFORMATION: Exendin Agonist
   78 <220> FEATURE:
   79 <221> NAME/KEY: VARIANT
   80 <222> LOCATION: (1)
   81 <223> OTHER INFORMATION: Xaa stands for His, Arg or Tyr
   83 <220> FEATURE:
   84 <221> NAME/KEY: VARIANT
   85 <222> LOCATION: (2)
   86 <223> OTHER INFORMATION: Xaa stands for Ser, Gly, Ala or Thr
   88 <220> FEATURE:
   89 <221> NAME/KEY: VARIANT
   90 <222> LOCATION: (3)
   91 <223> OTHER INFORMATION: Xaa stands Asp or Glu
   93 <220> FEATURE:
   94 <221> NAME/KEY: VARIANT
   95 <222> LOCATION: (6)
   96 <223> OTHER INFORMATION: Xaa stands for Phe, Tyr or naphthylalanine
   98 <220> FEATURE:
   99 <221> NAME/KEY: VARIANT
  100 <222> LOCATION: (7)
  101 <223> OTHER INFORMATION: Xaa stands for Thr or Ser
  103 <220> FEATURE:
  104 <221> NAME/KEY: VARIANT
  105 <222> LOCATION: (8)
  106 <223> OTHER INFORMATION: Xaa stands for Ser or Thr
  108 <220> FEATURE:
```

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                    RAW SEQUENCE LISTING                    DATE: 06/01/2001
                    PATENT APPLICATION: US/09/756,690       TIME: 17:46:20

                    Input Set : A:\#373162 v2 - AMYLIN 030639.0027.UTL SEQUENCE LISTING
(TXT).txt
                    Output Set: C:\CRF3\06012001\I756690.raw

    109 <221> NAME/KEY: VARIANT
    110 <222> LOCATION: (9)
    111 <223> OTHER INFORMATION: Xaa stands for Asp or Glu
    113 <220> FEATURE:
    114 <221> NAME/KEY: VARIANT
    115 <222> LOCATION: (10)
    116 <223> OTHER INFORMATION: Xaa stands for Leu, Ile, Val, pentylglycine or Met
    118 <220> FEATURE:
    119 <221> NAME/KEY: VARIANT
    120 <222> LOCATION: (14)
    121 <223> OTHER INFORMATION: Xaa stands for Leu, Ile, pentylglycine, Val or Met
    123 <220> FEATURE:
    124 <221> NAME/KEY: VARIANT
    125 <222> LOCATION: (22)
    126 <223> OTHER INFORMATION: Xaa stands for Phe, Tyr or naphthylalanine
    128 <220> FEATURE:
    129 <221> NAME/KEY: VARIANT
    130 <222> LOCATION: (23)
    131 <223> OTHER INFORMATION: Xaa stands for Ile, Val, Leu, pentylglycine, tert-
butlyglycine or Met
    133 <220> FEATURE:
    134 <221> NAME/KEY: VARIANT
    135 <222> LOCATION: (24)
    136 <223> OTHER INFORMATION: Xaa stands for Glu or Asp
    138 <220> FEATURE:
    139 <221> NAME/KEY: VARIANT
    140 <222> LOCATION: (25)
    141 <223> OTHER INFORMATION: Xaa stands for Trp, Phe, Tyr, or naphthylalanine
    143 <220> FEATURE:
    144 <221> NAME/KEY: VARIANT
    145 <222> LOCATION: (31, 36, 37 and 38)
    146 <223> OTHER INFORMATION: Xaa is independently Pro, homoproline, 3Hyp, 4Hyp,
thioproline, N-
    147         alkylglycine, N-alkylpentylglycine, or N-alkylalanine
    149 <220> FEATURE:
    150 <221> NAME/KEY: UNSURE
    151 <222> LOCATION: (39)
    152 <223> OTHER INFORMATION: Xaa stands for stands for Ser, Thr or Tyr, which is
optionally
    153         amidated and with the proviso that the compound is not exendin-3
    154         or exendin-4
    157 <400> SEQUENCE: 3
W--> 158 Xaa Xaa Xaa Gly Thr Xaa Xaa Xaa Xaa Xaa Ser Lys Gln Xaa Glu Glu
    159 1                   5                   10                  15
W--> 160 Glu Ala Val Arg Leu Xaa Xaa Xaa Xaa Leu Lys Asn Gly Gly Xaa Ser
    161             20                  25                  30
W--> 162 Ser Gly Ala Xaa Xaa Xaa Xaa
E--> 163             35
    568 <210> SEQ ID NO: 11
    569 <211> LENGTH: (39) 38 (next page)
    570 <212> TYPE: PRT
    571 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 06/01/2001
PATENT APPLICATION: US/09/756,690   TIME: 17:46:20

Input Set : A:\#373162 v2 - AMYLIN 030639.0027.UTL SEQUENCE LISTING
(TXT).txt

Output Set: C:\CRF3\06012001\I756690.raw

```
     573 <220> FEATURE:
     574 <223> OTHER INFORMATION: Exendin Agonist
     576 <220> FEATURE:
     577 <221> NAME/KEY: AMIDATION
     578 <222> LOCATION: (39) (38)
     579 <223> OTHER INFORMATION: Xaa stands for Serine
     581 <400> SEQUENCE: 11
     582 His Gly Glu Gly Thr Phe Thr Ser Asp Leu Ser Lys Gln Met Glu Glu
     583   1               5                  10                  15
     584 Glu Ala Val Arg Phe Ile Glu Phe Leu Lys Asn Gly Gly Pro Ser Ser
     585              20                  25                  30
W--> 586 Gly Ala Pro Pro Pro Xaa
E--> 587          35
     657 <210> SEQ ID NO: 15
     658 <211> LENGTH: (39) 42
     659 <212> TYPE: PRT
     660 <213> ORGANISM: Artificial Sequence
     662 <220> FEATURE:
     663 <223> OTHER INFORMATION: Exendin Agonist
     665 <220> FEATURE:
     666 <221> NAME/KEY: VARIANT
     667 <222> LOCATION: (6)
     668 <223> OTHER INFORMATION: Xaa stands for naph
     670 <220> FEATURE:
     671 <221> NAME/KEY: AMIDATION
     672 <222> LOCATION: (39) (42)
     673 <223> OTHER INFORMATION: Xaa stands for Serine
     675 <400> SEQUENCE: 15
W--> 676 His Gly Glu Gly Thr Xaa Thr Ser Asp Leu Ser Asp Leu Ser Lys Gln
     677   1               5                  10                  15
     678 Met Glu Glu Glu Ala Val Arg Leu Phe Ile Glu Trp Leu Lys Asn Gly
     679              20                  25                  30
W--> 680 Gly Pro Ser Ser Gly Ala Pro Pro Pro Xaa
E--> 681          35                  40
```

FYI: *(This occurs in subsequent sequences)* <2237 response cannot exceed 4 lines, per 1.823 of Sequence Rules; if response is over 4 lines, insert a <220> before 5th line*

FYI

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220> to
<223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY   DATE: 06/01/2001
PATENT APPLICATION: US/09/756,690   TIME: 17:46:21

Input Set : A:\#373162 v2 - AMYLIN 030639.0027.UTL SEQUENCE LISTING
(TXT).txt

Output Set: C:\CRF3\06012001\I756690.raw

```
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:160 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:163 M:252 E: No. of Seq. differs, <211>LENGTH:Input:40 Found:39 SEQ:3
L:224 M:283 W: Missing Blank Line separator, <220> field identifier
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:373 M:283 W: Missing Blank Line separator, <220> field identifier
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:562 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:587 M:252 E: No. of Seq. differs, <211>LENGTH:Input:39 Found:38 SEQ:11
L:608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:681 M:252 E: No. of Seq. differs, <211>LENGTH:Input:39 Found:42 SEQ:15
L:700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:746 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:768 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:854 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:858 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:913 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:915 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:986 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1013 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:1086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
```

VERIFICATION SUMMARY   DATE: 06/01/2001
PATENT APPLICATION: **US/09/756,690**   TIME: 17:46:21

Input Set : **A:\#373162 v2 - AMYLIN 030639.0027.UTL SEQUENCE LISTING (TXT).txt**

Output Set: **C:\CRF3\06012001\I756690.raw**

```
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:1170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:1198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:2131 M:283 W: Missing Blank Line separator, <220> field identifier
L:2563 M:283 W: Missing Blank Line separator, <220> field identifier
L:2650 M:283 W: Missing Blank Line separator, <220> field identifier
L:3323 M:283 W: Missing Blank Line separator, <220> field identifier
L:3819 M:283 W: Missing Blank Line separator, <220> field identifier
L:4633 M:259 W: Allowed number of lines exceeded, <223> Other Information:
L:4722 M:259 W: Allowed number of lines exceeded, <223> Other Information:
```